

Name: \_\_\_\_\_

Erin has a window cleaning business. She just won a contract to wash the windows on the Zooper building in downtown Mathville. It has one hundred twenty-seven  $2\text{ ft} \times 7\text{ ft}$  windows. If she can wash the windows at an average rate of 6.6 square feet per minute, how long will it take her to wash the windows on the entire Zooper building?

Geotest, Inc. drilled a hole in a granite batholith that was 926 meters deep. Globomax, Inc. drilled one in the same formation that was 1325 meters deep. What was the difference between the depths?

Because of sea floor spreading, the Atlantic Ocean is getting wider at a rate of about one cm per year. At that rate of expansion, how much wider will the Atlantic be at the end of two-fifths of a century?













Megan's mother is a nurse. She came to school to check our posture and our backs. She told us that about 4.8% of children have a problem called scoliosis. There are one hundred sixty-seven students in our school. If our school is like the average, how many children will have scoliosis? Express your answer to the nearest whole number.

You have five pennies, seven nickels and two dimes in a piggy bank. If you turn the bank upside down and shake it until a coin comes out of the slot, what is the probability that you will get out two pennies in a row?

Amanda measured the length of her iguana last month and found it was 31.4 centimeters long. She measured it again today and found that some of its tail was missing and now it was only 30.37 centimeters long. By how much was the iguana shorter?

Name: \_\_\_\_\_

Puzzle:

#	3				42
	#	3			41
#	#		#		54
3	3	#		#	35
			#	3	53
45	41	48	56	35	+


Work Area:


	3				42
		3			41
					54
3	3				35
				3	53
45	41	48	56	35	+

The sum for each column  
and row is given.

# = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

 = \_\_\_\_\_

Round 12,607 to the nearest  
thousand.

What 4 coins add up to 46  
cents?

31, 39, 47, \_\_\_\_\_, 63,  
71, 79, 87

How much money is 1  
quarter, 3 dimes, 1 nickel,  
and 1 penny?

It was 75 degrees outside.  
What would the  
temperature be if it got 29  
degrees colder?

Write the missing family  
fact.

$$7 \times 18 = 126$$

$$126 \div 7 = 18$$

$$126 \div 18 = 7$$

Name: \_\_\_\_\_

X	4				4	8
	<u>   </u> x 4	45 <u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	<u>   </u> x 4	<u>   </u> x 8
	<u>   </u> x 4	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	16 <u>   </u> x 4	<u>   </u> x 8
	<u>   </u> x 4	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	20 <u>   </u> x 4	40 <u>   </u> x 8
	<u>   </u> x 4	54 <u>   </u> x <u>   </u>	72 <u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	<u>   </u> x 4	<u>   </u> x 8
4	<u>4</u> x 4	<u>4</u> x <u>   </u>	<u>4</u> x <u>   </u>	<u>4</u> x <u>   </u>	16 <u>4</u> x 4	<u>4</u> x 8
12	<u>12</u> x 4	<u>12</u> x <u>   </u>	<u>12</u> x <u>   </u>	<u>12</u> x <u>   </u>	48 <u>12</u> x 4	<u>12</u> x 8
5	20 <u>5</u> x 4	45 <u>5</u> x <u>   </u>	<u>5</u> x <u>   </u>	45 <u>5</u> x <u>   </u>	<u>5</u> x 4	<u>5</u> x 8
	<u>   </u> x 4	<u>   </u> x <u>   </u>	<u>   </u> x <u>   </u>	18 <u>   </u> x <u>   </u>	<u>   </u> x 4	<u>   </u> x 8

$32 \div 8 = \underline{\quad}$ $5 \times 11 = \underline{\quad}$	<p>In the number 92,939,143,530, the digit 1 is in what place?</p> <p>_____</p>	$\begin{array}{r} 62 \\ - 17 \\ \hline \end{array}$
--	---	---

word root **sect** can mean **cut**

**dissect, intersect, intersection**

Name: \_\_\_\_\_

The front and back panels of Adam's birdhouse are in the shape of a rectangle topped with a triangle. The rectangle is 5 inches wide and 9 inches long. The triangle has a base of 5 inches and a height of 3 inches. What is the area of the front panel?

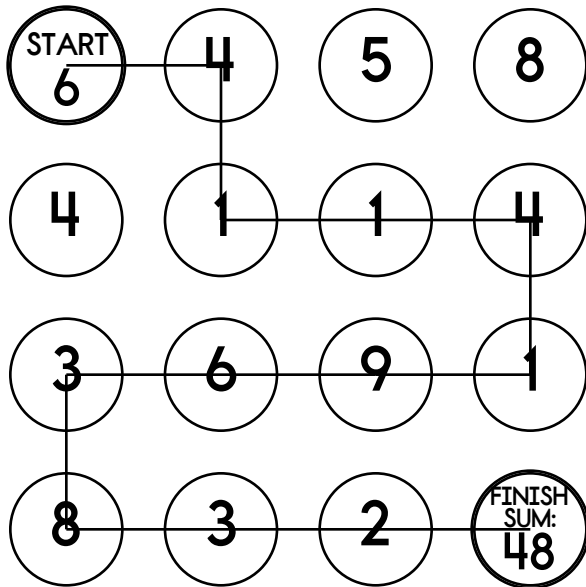
When asked to name their favorite soft drink, 34% of the students chose Coke, 30% chose Pepsi, and the rest chose other drinks. Thirteen percent of those who chose other drinks chose Orange Crush. If 500 students were surveyed, how many students chose Orange Crush?

Jen is really into science. She invented a robotic bug that burps. Her brother loves it, so she wanted to burp her brother today. She checked her phone, and her brother is currently 3.2 miles away. After she set the coordinates on the phone the robotic bug left. She got a burp confirmation 236.8 seconds later when it reached her brother. How fast did this burping bee travel in miles per hour?

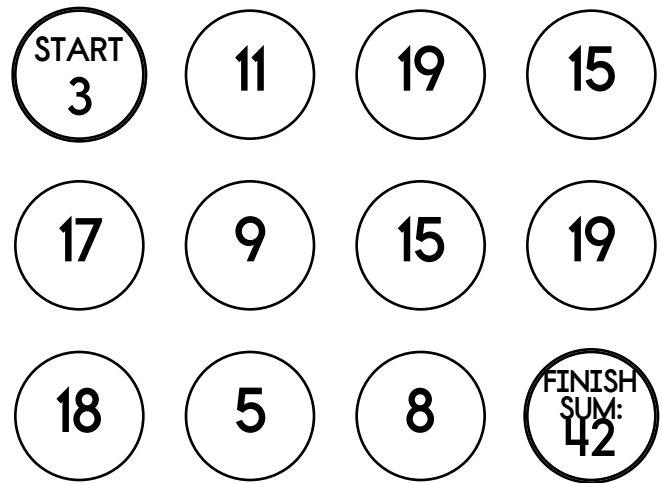
Holly got a summer job working on an app where people post pictures of their pets. This week they had 100,000 pictures posted. Of those pictures, 48% were dogs. How many pictures of dogs did they get this week?

Name: \_\_\_\_\_

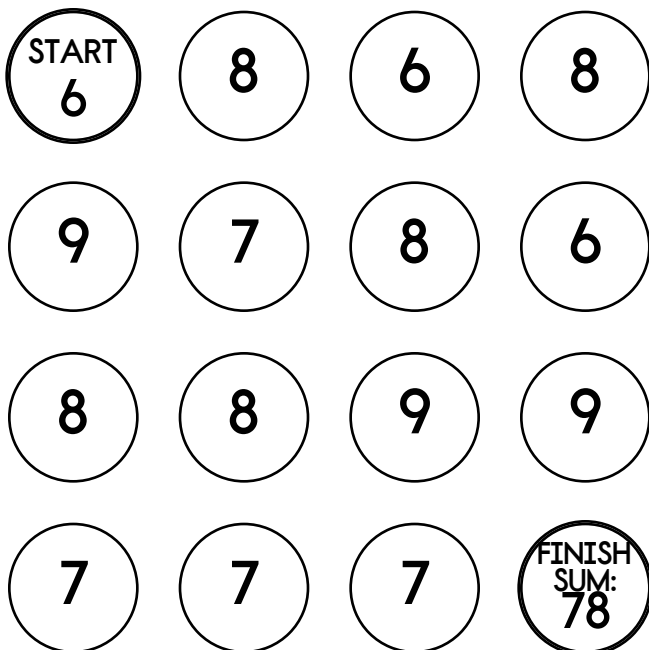
Make a path by adding up the numbers. Do not visit a circle more than once. The first one is done.



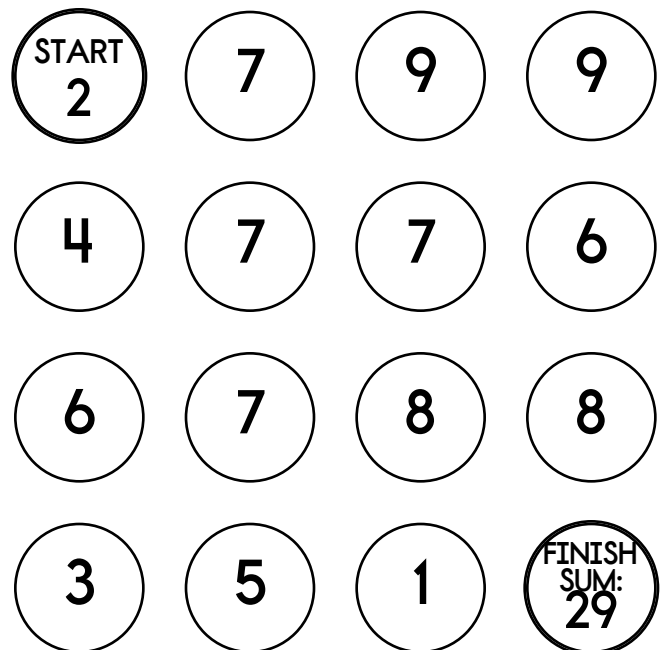
$$6 + 4 + 1 + 1 + 4 + 1 + 9 + 6 + 3 + 8 + 3 + 2 = 48$$



$$3 + 17 + \underline{\quad} + \underline{\quad} + \underline{\quad} = 42$$



Did you find a path? Write the equation.



$$2 + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = 29$$

Name: \_\_\_\_\_

<p>Megan took a picture of her father's office building. He worked in a 50-story skyscraper. When she got the picture, she saw that she had only taken a picture of the highest 23 stories. Write a fraction for the part of the building that was in the picture.</p>	<p>The circus starts at 7:30 p.m. It will take Erin 22 minutes to walk to the circus. What time should she leave her house to be there when the circus starts?</p>	<p>According to Bartholomew Cubbins, 15 of his hats had feathers. Ten of the hats with no feathers were red, 20 were green, and 30 were blue. What is the ratio of hats with feathers to hats with no feathers? (Write as a fraction in lowest terms.)</p>
--	--	--

<p>You cannot decide what pizza store to go to. Holly's pizza cuts their pizza into 4 slices. Each slice costs \$4 each. Amy's pizza cuts their pizza into 8 slices. Each slice costs \$5 each. If you like each pizza the same, which pizza store has the better buy?</p>	<p>For 188,855,566, write the digit that is in the ten thousands place.</p> <p>_____</p>
--	--

<p>Anna rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being eleven?</p>	<p>828 + 628 = _____</p> <p>What time is 13 hours after 3:00 a.m.?</p> <p>_____</p>
--	---

$\begin{array}{r} 32 \\ + 28 \\ \hline \end{array}$	$\begin{array}{r} 226 \\ + 301 \\ \hline \end{array}$	<p>Write the missing family fact.</p> <p>187 ÷ 11 = 17 17 x 11 = 187 11 x 17 = 187</p> <p>_____</p>
---	---	---

Name: \_\_\_\_\_

$11 \times 7 =$ _____	How many pounds are in 48 ounces? _____ pounds	$24 \div 8 =$ _____
-----------------------	---	---------------------

<p>Sarah and her little sister, Jenna, both have birthdays on the same day. Sarah is ten years old. Jenna is eight years old. Did you know that Sarah was once double the age of Jenna? How many years ago was that?</p>	$1 \text{ cm} = 10 \text{ mm}$ $24 \text{ cm} =$ _____ $\text{mm}$

<p>Can 433 be evenly divided by 11? Circle:          433 is evenly divisible by 11          433 is NOT evenly divisible by 11</p>	$20 \div 5 =$ _____	$\begin{array}{r} 891 \\ - 123 \\ \hline \end{array}$
	$5 \times 8 =$ _____	

<p>What is the largest possible product of two two-digit numbers? Show the two numbers.</p>	<p>27% of 100 is 27.          27% of 200 is 54.          27% of 500 is 135.          What is 27% of 900?</p>
---	--

$21 \text{ kg} =$ _____ $\text{g}$	$30 \div 3 =$ _____	<p>Circle the digit in the hundredths place.          5,772.575</p>
------------------------------------	---------------------	---

Name: \_\_\_\_\_

$91,192 - 61,265 = \underline{\hspace{2cm}}$	Circle the smallest number: 517,904 63,149 708,326,554 456,179,083,228
--	--

Rewrite these in increasing order of length: 81 mm, 349 cm, 986 km, 616 dm	Can 376 be evenly divided by 8? Circle: 376 is evenly divisible by 8 376 is NOT evenly divisible by 8
---	---

$7,433 - 4,733 = \underline{\hspace{2cm}}$	$5 \times 9 = \underline{\hspace{2cm}}$	$8 \times 8 = \underline{\hspace{2cm}}$
--	---	---

Jenna rolls a die. What is the chance of her rolling a 3? _____	Circle the greatest number: 3,054,162                      7,615 7,258,036,194              815,342,976,097
--	---

$68,646 - 66,325 = \underline{\hspace{2cm}}$	Here is a pattern of letters: K S S K S S K S S K ...  What letter will be the 20th term in the pattern?
$11 \times 4 = \underline{\hspace{2cm}}$	
$20 \div 4 = \underline{\hspace{2cm}}$	

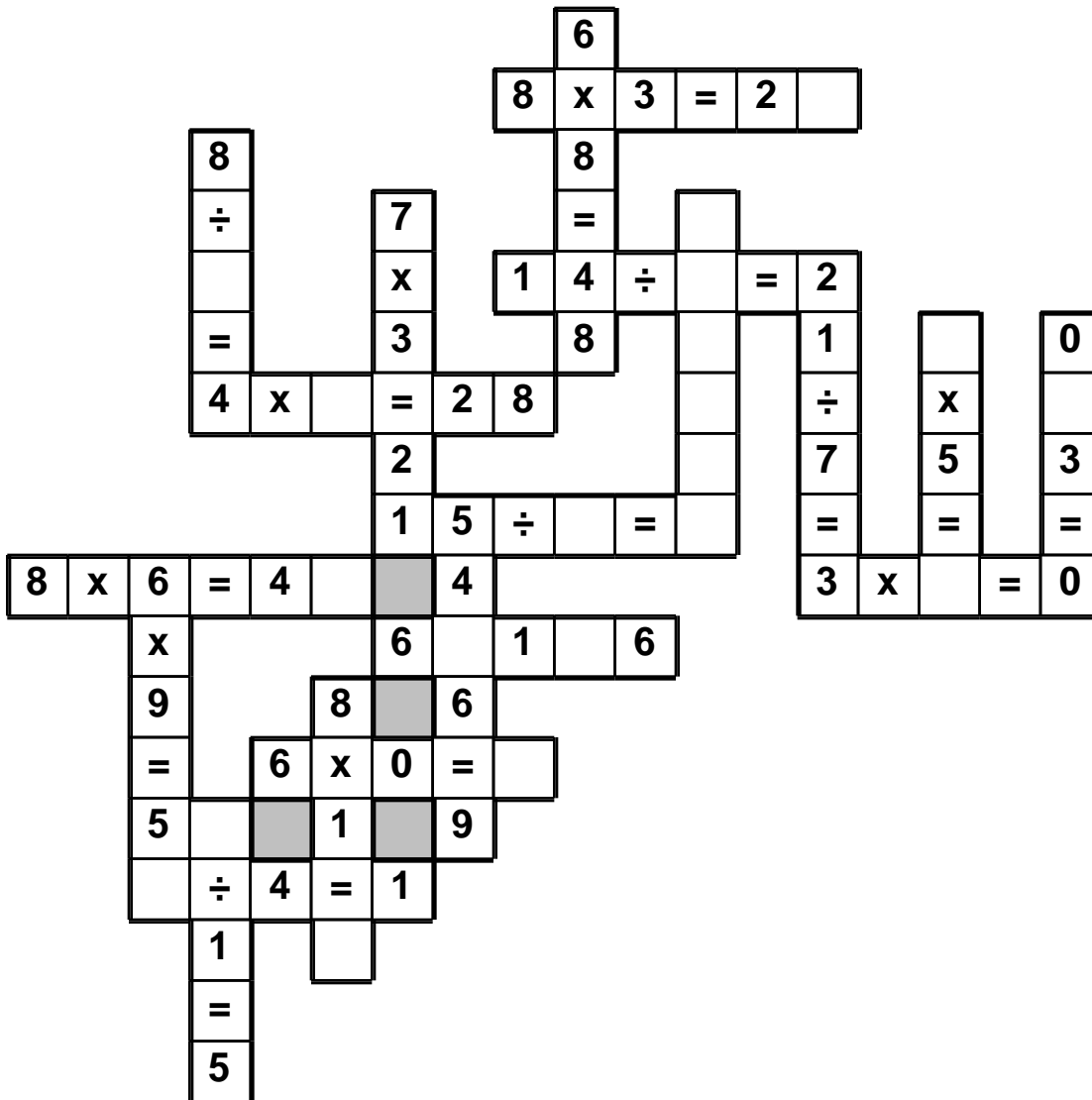
$4,952 - 4,211 = \underline{\hspace{2cm}}$
--



Name: \_\_\_\_\_

4 • 2 • 2 • 7 • ÷ • 0 • 7 • 9 • x • = • 5 • 3 • 8 • 0 • ÷ • =  
0 • 5 • 4 • 8

Use the pieces above to help you fill in the runaway math puzzle.



$11 \times 12 =$  \_\_\_\_\_

The letters C and K each have a line of symmetry. Name another letter between C and K that has a line of symmetry.

\_\_\_\_\_

$66 \div 6 =$  \_\_\_\_\_

Name: \_\_\_\_\_

There are four boxes (a purple box, a green box, a red box, and a yellow box). Each box has a different length (25 cm 5 mm, 48 cm, 50 cm 1 mm, and 21 cm 3 mm), a different width (7 cm 5 mm, 11 cm 1 mm, 8 cm 5 mm, and 11 cm 9 mm), and a different height (68 cm 1 mm, 78 cm 6 mm, 81 cm 8 mm, and 53 cm).

Figure out the length, width, height, and volume for each box.

1. The volume of the green box is 23,153,490 cubic millimeters.
2. The yellow box has the smallest height.
3. If the length of the purple box was increased by 7 cm, the volume of the purple box would increase by 4,051,950 cubic millimeters.
4. The length of the red box is 0.501 meters.
5. One box has a length of 21 cm 3 mm and a height of 53 cm.
6. The yellow box has the largest width.

purple box: length = \_\_\_\_\_, width = \_\_\_\_\_, height = \_\_\_\_\_, and volume = \_\_\_\_\_

green box: length = \_\_\_\_\_, width = \_\_\_\_\_, height = \_\_\_\_\_, and volume = \_\_\_\_\_

red box: length = \_\_\_\_\_, width = \_\_\_\_\_, height = \_\_\_\_\_, and volume = \_\_\_\_\_

yellow box: length = \_\_\_\_\_, width = \_\_\_\_\_, height = \_\_\_\_\_, and volume = \_\_\_\_\_

Can 885 be evenly divided by 5? Circle:

885 is evenly divisible by 5

885 is NOT evenly divisible by 5

$10 \times 2 =$  \_\_\_\_\_

Write 6,037 in words.

$99 \div 9 =$  \_\_\_\_\_

Name: \_\_\_\_\_

A package of 10 jasmine blossom teabags sells for \$1.76. The weight of the tea in each bag is 1.9 grams. How much does jasmine tea cost per gram?

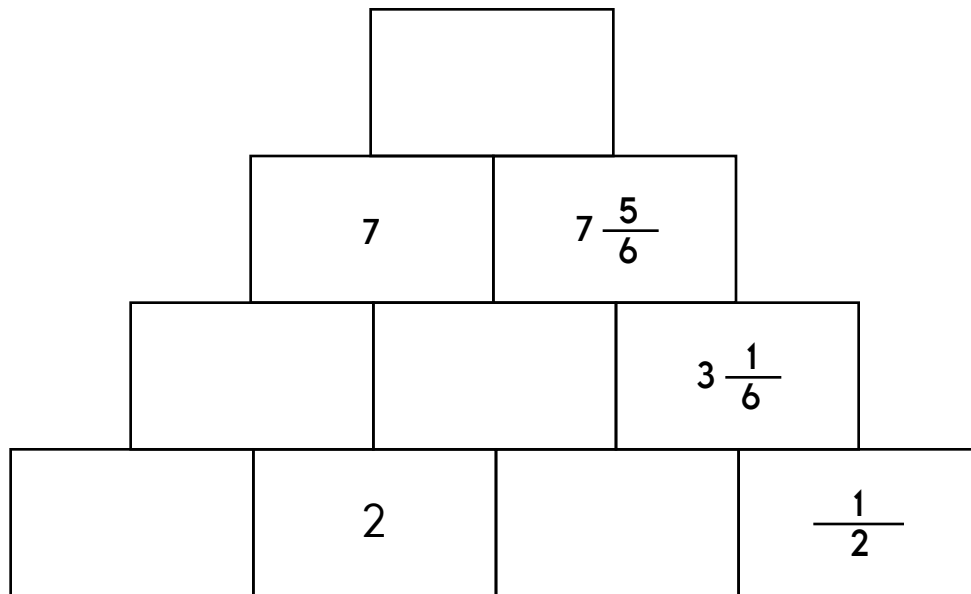
Mr. Anderson bought a case of rope licorice for his store. The case cost \$155.50. There are 10 boxes in a case and 12 bags in a box. Each bag contains 5 ropes of red licorice. How many ropes are there in a case?

"Hey, Ted!" called out his friends. But Ted didn't reply. He was texting. They don't call him Texty Ted for nothing! Ted sends an average of 40 texts in only 3 minutes. At precisely 3:18 Ted finally sat down outside of school to play his phone. He played his phone until 3:51 when his phone ran out of power. How many texts do you think Texty Ted sent?

The (make-believe) country of Slowmonia is always super slow. But they are hard working, and after 22 years of research, the country of Slowmonia launched a rocket into space to land on Pluto. It is slow! It travels 3.346 kilometers in a month. How far will it travel in 18 years?

A pyramid diagram illustrating the hierarchical summation of seven base values into a single top value. The pyramid is composed of seven rows of rectangular blocks, each block representing a value. The base row consists of seven blocks with values 17.2, 11, 14.8, 7.3, 12, 13.1, and 10.6. The second row has four blocks, with the third block containing the value 22.1, which is the sum of the first three blocks of the base row (17.2 + 11 + 14.8). The third row has three blocks, the middle one being the sum of the first two blocks of the second row. The fourth row has two blocks, the right one being the sum of the first two blocks of the third row. The fifth row has one block, which is the sum of the first two blocks of the fourth row. The sixth row has one block, which is the sum of the first two blocks of the fifth row. The seventh row has one block, which is the sum of the first two blocks of the sixth row, resulting in the final value of 720.4.

Row	Block 1	Block 2	Block 3	Block 4	Block 5	Block 6	Block 7
1	17.2	11	14.8	7.3	12	13.1	10.6
2			22.1				
3							
4							
5							
6							
7							



$15 \div 3 =$ _____	$(4 + 6) + 2 =$	$72 \div 12 =$ _____
---------------------	-----------------	----------------------

Name: \_\_\_\_\_

$$9 + \frac{4}{5} + \frac{3}{10} =$$

$$25 - \frac{3}{11} =$$

$$12 - \frac{1}{2} + \frac{1}{5} =$$

Write the reciprocal.

$$\frac{13}{12}$$

Write the reciprocal.

$$\frac{2}{9}$$

Write the reciprocal.

$$\frac{11}{24}$$

$$3 \div \frac{1}{2} =$$

$$4\frac{2}{5} \times 3\frac{1}{4} =$$

$$\frac{3}{8} \times 6 =$$

$$11 \times \frac{1}{6} =$$

$$\frac{9}{10} \times \frac{2}{7} =$$

$$\frac{1}{4} \div 39 =$$

Name: \_\_\_\_\_

Write an expression.

Add 8 to  $w$

$$w + 8$$

Divide 11 by  $m$

Multiply 7 by  $q$

$5x$  more than 17

Divide  $6t$  by 9

$4p$  less than 18

Subtract 6 from  $y$

Sum of  $d$  and  $\frac{1}{2}$

Sum of  $v$  and  $\frac{5}{9}$

Divide  $p$  by 2

Divide  $4t$  by 6

Sum of  $q$  and  $\frac{3}{8}$

Name: \_\_\_\_\_

Draw a line to match each problem with the same answer.

54% of 150



69% of 100

56% of 25



60% of 155

92% of 75



60% of 135

55% of 20



98% of 50

10% of 180



18% of 100

35% of 140



70% of 20

90% of 30



18% of 150

50% of 186



10% of 110

What kind of angle has  
a measure of between  
 $0^\circ$  and  $90^\circ$ ?

An angle measures  $111^\circ$ .  
What would you call this  
angle?

Sketch an obtuse angle  
named  $\angle FGH$ .

$$10w - 11.3 = 68.7$$

$w =$

$$684 \div 10$$

Each side of a regular  
pentagon is 99.8  
centimeters. What is the  
perimeter?

$$(12 - 6) \times 3 + 8 - 1$$

$$2 + 55 \div 5 - 96 \div 12 =$$

$$8 \div 4 + 1$$

$$|-9| + c = 4$$

$c =$

$$0.16 \cdot 5 =$$

$$\frac{2}{6} \times \frac{5}{6}$$

Name: \_\_\_\_\_

In what quadrant would you find the point (10, -15)?

$$(11 + 14 + 5) =$$

If  $v = -8$  and  $g = 29$  then what is  $9v - 10g - 4g = ?$

What is the remainder of 169 divided by 19?

$$0.1 (0.9 (0.1 \times 9)) =$$

Simplify.

$$\frac{3,000}{4,000} =$$

A circle graph has five sections. Only four sections are labeled. The labels are 18%, 17%, 12%, and 8%. What should the missing section be?

What is the perimeter of a rectangle with a length of 39 centimeters and a width that is  $\frac{1}{3}$  the length?

$$|-9| - p = 15$$

$$p =$$

Rewrite  $\frac{8}{25}$  as a decimal.

Use  $>$ ,  $<$ , or  $=$  to complete.

$$38\% \text{ — } \frac{2}{3}$$

$$64\% \text{ — } \frac{1}{11}$$

$$16\% \text{ — } \frac{2}{12}$$

Circle the percentage that is closest to 20 out of 58:

74%

41%

5%



Name: \_\_\_\_\_

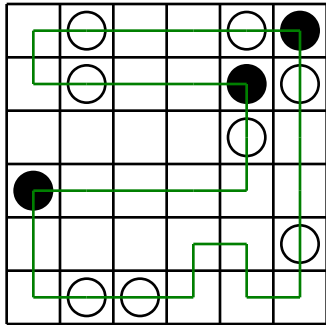
$31\frac{3}{8}$	$+9\frac{4}{8}$		$-\frac{8}{12}$		$-22$	
						$-\frac{5}{8}$
						$+15$
$-\frac{4}{6}$		$-6$	$81\frac{11}{12}$	$-8\frac{4}{6}$		$+58$

$+\frac{4}{12}$

	$+12$		$-56$		$+32$		$-2\frac{4}{8}$	$61\frac{1}{12}$
--	-------	--	-------	--	-------	--	-----------------	------------------

<p>Write an equation to represent this:</p> <p>The product of nine and eight is seventy-two.</p> <p>_____</p>	$30 \div 3 = \underline{\hspace{2cm}}$	$48 \div 4 = \underline{\hspace{2cm}}$
	$21 \div 3 = \underline{\hspace{2cm}}$	
$110 \div 11 = \underline{\hspace{2cm}}$	$40 \div 4 = \underline{\hspace{2cm}}$	$32 \div 8 = \underline{\hspace{2cm}}$

Name: \_\_\_\_\_

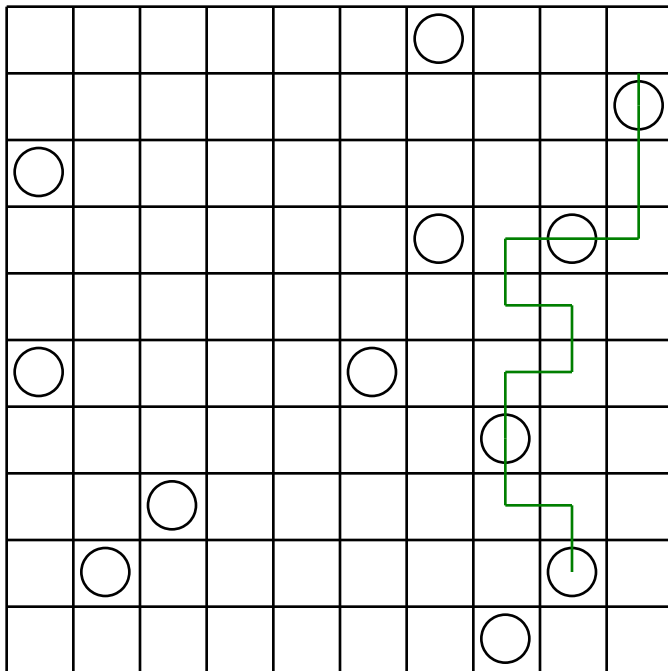


Can you draw ONE line going through ALL the circles? Your line can go left, right, up, or down. It cannot go diagonally. Your line cannot cross over any part of the line you have already drawn.

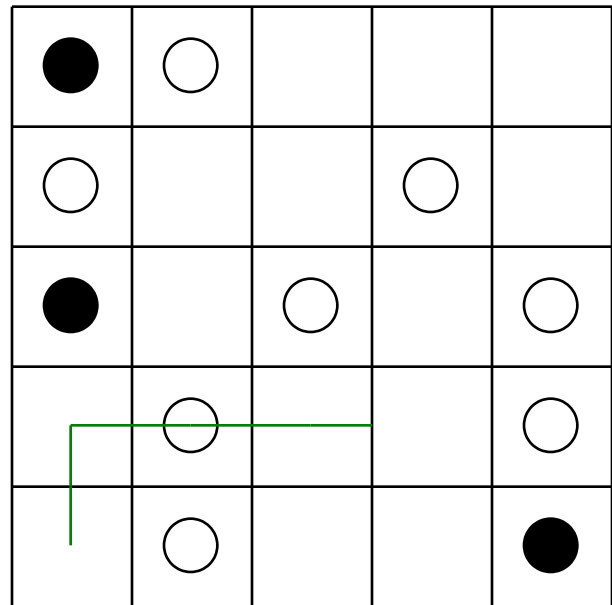
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



Justin has three nickels and one quarter. He also has one other coin that is different from the rest of his coins. How much could he have?

$$482 - 335 = \underline{\hspace{2cm}}$$

$$8 \times 12 = \underline{\hspace{2cm}}$$

Circle the addition property for  $48 + 182 = 182 + 48$ .

commutative property

associative property

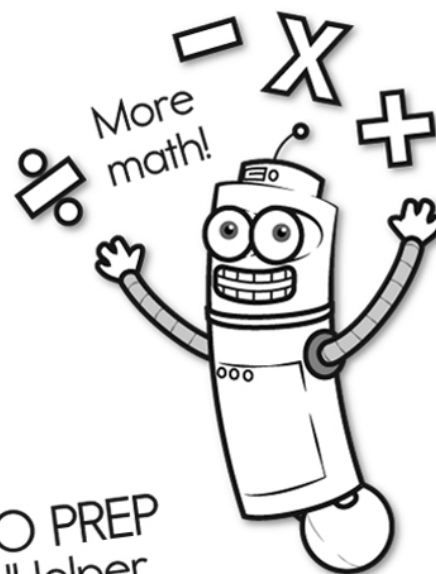
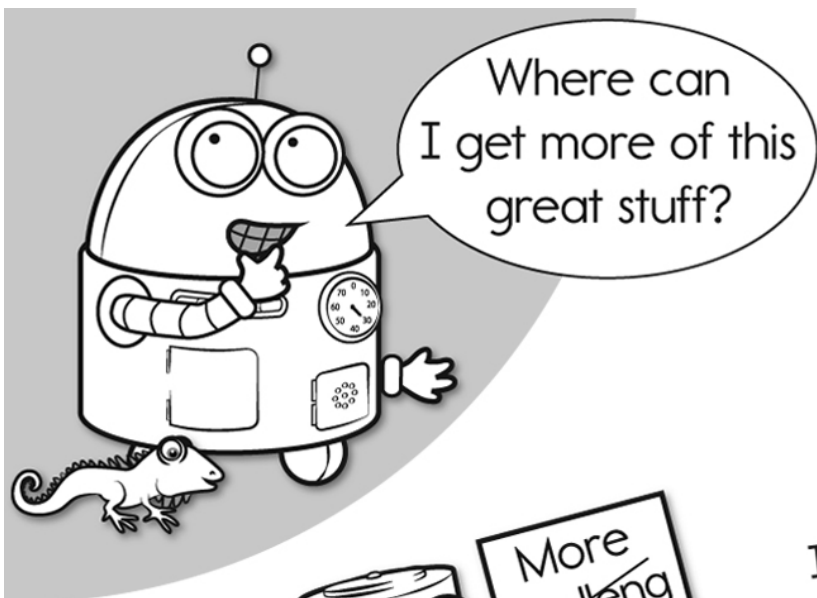
$$48 \div 8 = \underline{\hspace{2cm}}$$

$$8 \times 7 = \underline{\hspace{2cm}}$$

Write the numbers 45 to 70 on a sheet of paper. How many of these numbers are divisible by 3?

word root **sine** can mean **without**

**sinecure**

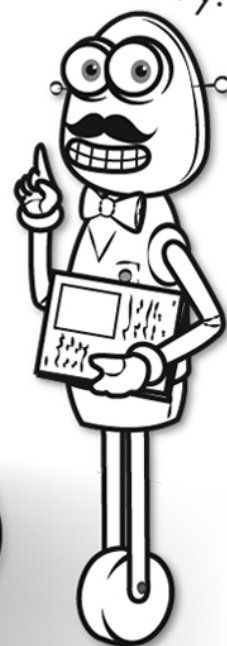


It's NO PREP at edHelper.

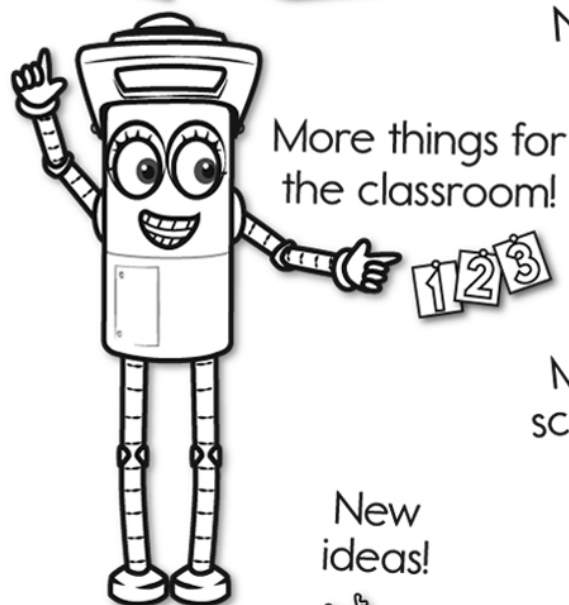
More history!



# edHelper.com!



New online math games!



1 2 3



New ideas!



$\times$   $=$   $-$   $\div$   $<$   $-$   $>$

More puzzles!

